

F. McDANIEL.
Fountain-Brush.

No. 164,853.

Patented June 22, 1875.

Fig. 1

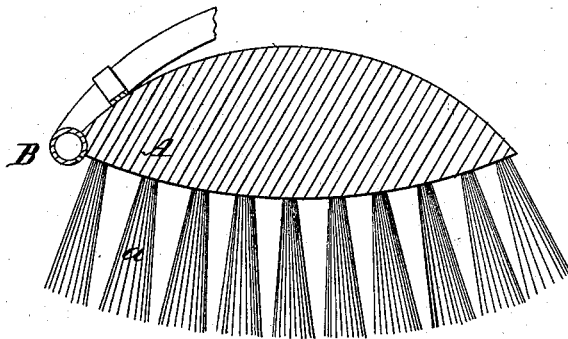
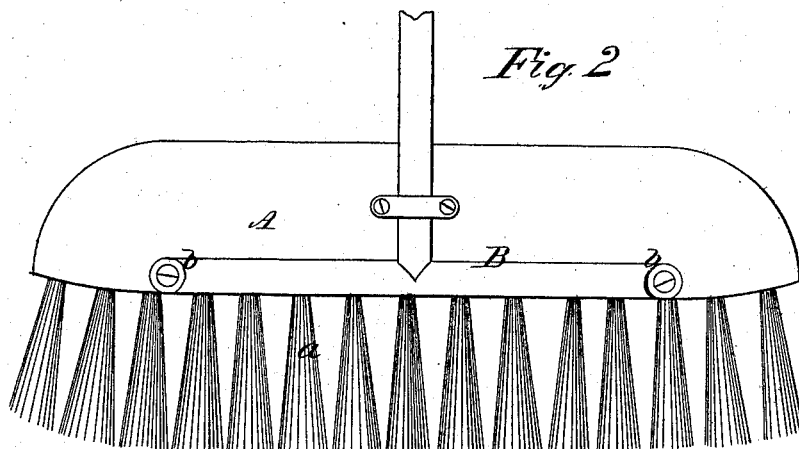


Fig. 2



Witnesses
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UNITED STATES PATENT OFFICE.

FRANCIS McDANIEL, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FOUNTAIN-BRUSHES.

Specification forming part of Letters Patent No. **164,853**, dated June 22, 1875; application filed October 10, 1874.

To all whom it may concern:

Be it known that I, FRANCIS McDANIEL, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Brushes for Washing Windows, Carriages, &c.; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a transverse section. Fig. 2 is a front view.

My invention has for its object to provide a fountain-brush, especially applicable to washing windows, carriages, and other articles requiring copious streams of water.

My invention consists in applying to a brush a perforated or slotted pipe, having a flexible connection with a hydrant or water-reservoir, as hereinafter fully described.

Referring to the accompanying drawing, A is a brush of the construction usually employed for washing windows. B represents a pipe affixed thereto in any suitable manner, as by ears *b b*, fastened by screws.

The ends of this pipe are closed, and the center connected with a flexible tube, C, having communication with a hydrant.

The pipe B has numerous perforations, or an equivalent slot or slots, so arranged that the water conveyed by the flexible tube will be distributed evenly over the surface of the bristles *a*.

A brush thus constructed will be found admirably adapted for cleansing purposes generally, and may be used to great advantage on living creatures, as well as inanimate objects.

A flesh-brush for men, and a horse-brush for the equine race, furnished with my improvement, will conduce greatly to the comfort of the beings on whom they are utilized.

The improvement may also be applied to brooms, and will facilitate greatly the scrubbing and cleansing of sidewalks.

I am aware that a fountain-sponge has already been employed for washing windows, but it does not give satisfaction, owing to the

fact that the water concentrates in such sponge and flows down the handle, to the exceeding discomfort and damage of the operator. So, too, the water cannot be distributed over the same extent of area. The device is much heavier, and not adapted to the various attritional uses (as, for instance, scrubbing pavements and floors,) to which my improvement may be applied.

It is obvious that after a brush to which the distributing-pipe has been applied is worn out, it may be discarded, and a new one supplied—the pipe itself, under ordinary circumstances, sufficing for a dozen or more successive brushes.

I do not claim broadly as my invention the combination, with a brush of an irrigating appliance, as I am well aware that various expedients have been used for supplying the bristles with a continuous flow of water, but they have not hitherto been adopted for application to the ordinary household brush. The object of my invention is to furnish a contrivance which may be readily attached to and detached from a brush of ordinary make, and which will take water from an ordinary hydrant or supply-pipe, and distribute it evenly and continuously over the brush.

This invention is then to be distinguished from other devices of the class to which it belongs in that for the attachment and use of the sprinkler the back of the brush requires no modification. The device may be readily applied to any ordinary brush, and when the latter wears out the sprinkler may be detached and applied to a new one. Thus, one sprinkler will last for years.

What I claim as my invention is—

The detachable brush-moistening apparatus, consisting of the T-tube B, having perforated arms, provided with eyes *b* for attachment to the side of the ordinary brush, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of September, 1874.

FRANCIS McDANIEL.

Witnesses:

JNO. A. BELL,
FRANK HARTMAN.